

WHAT IS CLAIMED IS:

1. In a rigid dispenser housing having therein a flexible liquid food container, the improvement comprising a combination of a liquid food fluid-tight dispensing bag
5 having a dispensing spout wherein a liquid food is vertically downwardly discharged from the dispensing bag, the bag being made of a front and rear pair of sheets of flexible liquid impervious material having left and right vertical marginal edges secured by sealing along their marginal edges to form a downwardly tapered sealed fluid-tight container, the sheets being sealed along downwardly inclined and converging seal lines
10 to form a conical shaped lower end of the sealed bag wherein liquid food gravitates downwardly when the dispenser bag is installed within the dispenser housing.
2. The dispenser bag according to claim 1 further comprising the further improvement of a horizontally oriented dispensing spout sealingly attached to the front sheet and spaced
15 slightly above a bottom marginal seal whereby sediment gravitates to the bottom marginal seal and accumulates at the bottom marginal seal and remains undispensed.
3. The dispenser bag according to claim 2 further comprising the further improvement wherein the horizontally oriented dispensing spout comprises a blocking means for
20 blocking horizontal flow of fluid food from the spout and directing said flow of fluid from the spout vertically downwardly away from the spout.

4. A dispenser housing having therein liquid food comprising a liquid food dispensing containment means for containing liquid food, a dispensing spout oriented wherein the liquid food is vertically downwardly discharged sediment-free from the containment means directly into a receptacle, the containment means being downwardly tapered, sealed, and air-tight wherein the liquid food gravitates downwardly and out through a horizontal dispensing spout and wherein sediment gravitates downwardly inside the containment means below the dispensing spout.

5. A dispensing method for avoiding sediment in a liquid food dispensed from a flexible plastic dispenser bag having an upper part, a lower part and a bottom edge, the dispenser bag being fluid-tight having sealed edges and a dispenser spout attached to the lower part comprising the steps of:

(a) downwardly tapering the lower part of the dispenser bag adjacent to the dispenser spout;

(b) horizontally orienting and attaching the dispenser spout above the bottom edge;

(c) forming a trough below the horizontally oriented dispenser spout;

(d) catching sediment in a space between the spout and the bottom edge as fluid food flows downwardly to the lower part of the dispensing bag; and,

(e) accumulating sediment in said space.

6. The method according to claim 5 further comprising the blocking step of blocking fluid food flowing through the dispensing spout from horizontally exiting the spout.

7. The method according to claim 6 wherein the blocking step further comprises directing said flowing fluid food vertically downward.

8. The method according to claim 7 wherein the blocking step further comprises
5 extending a rim segment in front of said flowing fluid food, the rim segment being extended circumferentially entirely around the dispensing spout.

9. The dispenser bag of claim 3 wherein the front and rear pair of sheets of flexible liquid impervious material are hexagonal, the sheets having left and right vertical
10 upper marginal edges connected respectively to left and right non-vertical oblique marginal edges secured by sealing to form a downwardly tapered sealed fluid-tight hexagonal container having a horizontal bottom seal in between the left and right non-vertical sealed marginal wherein liquid food gravitates downwardly to the horizontal bottom seal whereby any sediment in the fluid food accumulates near the horizontal
15 bottom seal.

10. The dispenser bag according to claim 9 wherein the bag and spout are made of plastic.

20 11. The dispenser bag according to claim 10 wherein the plastic is polypropylene.

12. The dispenser bag according to claim 11 wherein the dispensing spout is normally closed.

13. The dispenser bag according to claim 12 wherein the joined edges of the bag are heat sealed.

5 14. The invention of claim 4 wherein the liquid food containment means is a dispensing bag with a sealingly attached dispensing spout, the bag comprising rectangular front and rear panels sealingly connected at their edges, the spout being located in the front panel above a bottom edge of the front panel, the improvement comprising at least one oblique seal located on one side of the dispenser spout extending from a bottom seal
10 where the panels are sealed together to a vertical seal where the panels are sealed together, upwards away from the spout, the spout being located on the front panel, the spout being sealingly attached and horizontally oriented on the front panel, the spout having a vertically downwardly fluid directing means for blocking horizontal flow of fluid food from the spout.

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